

AMENDMENTS TO THE CLAIMS

1. (Previously presented) A discharge system for compressors comprising:
 - a cylinder block defining a compression chamber;
 - a first discharge chamber receiving an intermittent gas mass flow from the compression chamber;
 - a second discharge chamber in direct communication with the first discharge chamber;
 - a third discharge chamber in fluid communication with the first discharge chamber and the second discharge chamber and opened to a discharge tube; and
 - a valve provided in the fluid communication between the first and third discharge chambers, wherein the valve assumes an open position, establishing a parallel arrangement of the discharge chambers and providing a direct fluid communication between the first and the third discharge chambers, when a gas mass flow passing from the compression chamber to the first discharge chamber reaches a determined gas mass flow value, and
 - wherein the valve assumes a closed position, establishing a serial arrangement of the discharge chambers and blocking, at least in most part, said direct fluid communication between the first and third discharge chambers, when said gas mass flow reaches values that are lower than the determined gas mass flow value.
2. (Previously presented) The system as set forth in claim 1, wherein the valve is disposed in a third discharge orifice provided between the first discharge chamber and the third discharge chamber.
3. (Previously presented) The system as set forth in claim 2, in which a valve plate is provided between the compression chamber and the first discharge chamber, carrying at least one suction valve and one discharge valve, wherein the valve is in the form of a vane mounted to the valve plate.

4. (Previously presented) The system as set forth in claim 3, wherein the valve is incorporated to a valve blade affixed to the valve plate.
5. (Previously presented) The system as set forth in claim 4, wherein the valve is incorporated to a valve blade incorporating at least one suction valve.